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Application No. : 10/588,576
Confirmation No. : 5096
Applicant : Gregory Royce Collier, et al
371(c) Date :
Group Art Unit : 1646
Examiner: : Not yet assigned
Docket No. : 007193-25 US
Customer No. : 36,234

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The Information Disclosure Statement submitted herewith is being filed within three months of the filing date of the application or date of entry into the national stage of an international application or before the mailing date of a first Office Action on the merits, whichever event occurs last. 37 C.F.R. Section 1.97(b).

Enclosed is Form 1449 and 13 foreign and 92 non-patent references. Applicants respectfully request that each of the cited information be expressly considered during the prosecution of this application and that the cited references be made of record therein and appear among the "References Cited" on any patent to issue therefrom. If required, a copy of each reference is attached.

FEES

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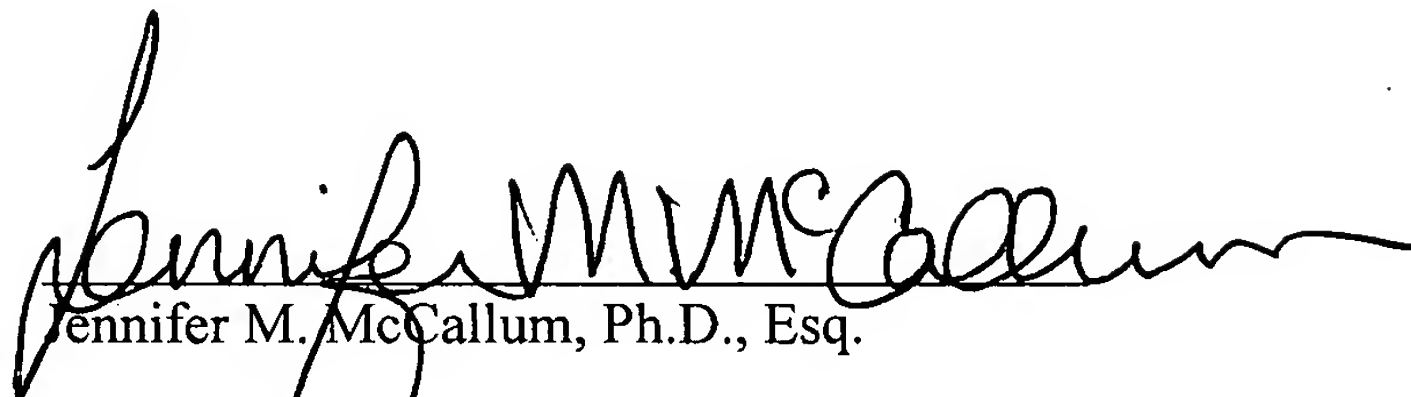
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Customer No.: 36234

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)	Complete if Known	
	Application Number	10/588,576
	Filing Date	02-01-2005
	First Named Inventor	Gregory Royce Collier
	Art Unit	1646
	Examiner Name	Unknown
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U.S. Patent Documents					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	5,550,050	08-27-1996	Holland et al.	
	2	5,691,198 (patent withdrawn)			

Foreign Patent Documents					
Examiner Initials*	Cite No. ¹	Foreign Patent Document Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	3	WO 84/03564 A1	09-13-1984	Commonwealth Serum Labs Com	
	4	WO 90/07936 A1	07-26-1990	Chiron Corp.	
	5	WO 92/19195 A1	11-12-1992	Brown Univ. Res. Foundation	
	6	WO 94/25503 A1	11-10-1994	Chytotherapeutics	
	7	WO 95/01203 A2	01-12-1995	Cytotherapeutics	
	8	WO 95/05452 A2	02-23-1995	Cytotherapeutics	
	9	WO 96/02286 A1	02-01-1996	Cytotherapeutics	
	10	WO 96/02646 A2	02-01-1996	Cytotherapeutics	
	11	WO 96/11698 A1	04-25-1996	Symphony Pharm.	
	12	WO 96/40871 A1	12-19-1996	Cytotherapeutics	
	13	WO 96/40959 A1	12-19-1996	Cytotherapeutics	
	14	WO 97/12635 A1	04-10-1997	Cytotherapeutics	
	15	WO 03/033513 A1	04-24-2003	Autogen Research	

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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s) publisher, city and/or county where published.	T ²
	16	Acton, et al., <i>Arterioscler Thromb Vasc Biol.</i> 19 : 1734-43 (1999)	
	17	Ahern, <i>J. Biol Chem</i> 278(33):30429-30434 (2003)	
	18	Altschul et al., <i>Nucl. Acids Res.</i> 25(17):3389-3402 (1997)	
	19	Arya, et al. <i>Nat Genet.</i> 30: 102-5 (2002)	
	20	Atwood et al., <i>Am J Hum Genet.</i> 71:1044-50 (2002)	
	21	Australian Institute of Health and Welfare (AIWH), Australia's Health, 2002, Canberra: AIWH	
	22	Ausubel et al. in "Current Protocols in Molecular Biology," publishers John Wiley & Sons Inc., Chapter 15 (1994-1998)	
	23	Bandyopadhyay et al., <i>Mol. Cell. Biol.</i> 4(4):743-748 (1984)	
	24	Barnett et al., <i>Diabetologia</i> 37: 671-676 (1994)	
	25	Barnett et al., <i>Diabetes Nutr Metab</i> 8 : 42-47 (1995)	
	26	Barnett et al., <i>Int. J. Obesity</i> 18: 789-794 (1994)	
	27	Berglund et al., <i>Biotechnology</i> 11:916-920 (1993)	
	28	Berkner et al., <i>BioTechniques</i> 6(7):616-629 (1988)	
	29	Berkner, <i>Curr. Top. Microbiol. Immunol.</i> 158:39-66 (1992)	
	30	Berthoud, et al. <i>Am J Physiol Regulatory Integrative Comp Physiol</i> 280 : R1371-R1381 (2001)	
	31	BIMOL, Product Data SK&F 96365, 22 May 2005 (retrieved 10 Mar 2005) Retrieved from URL: http://www.biomol.com/?tabId=115&categoryId=45&productId=147	
	32	Bonner et al., <i>Eur. J. Biochem.</i> 46:83-88 (1974)	
	33	Bouchard, et al., <i>Hum Mol Genet.</i> 6(11):1887-9 (1997)	
	34	Breakefield et al., <i>Mol. Neurobiol.</i> 1:339-371 (1987)	

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	35	Buchschacher et al., <i>J. Virol.</i> 66(5):2731-2739 (1992)	
	36	Cell Signaling & Neuroscience Catalogue 2002-2003, SIGMA RBI, Catalogue Nos. R2751 and S7809	
	37	Chagnon, et al., <i>J Appl Physiol.</i> 90:1777-87 (2001)	
	38	Chang, et al., <i>Science</i> 282(5397) : 2220-2226 (1998)	
	39	Collier et al., <i>Ann New York Acad Sci</i> 827 : 50-63 (1997)	
	40	Collier et al., <i>Exp Clin Endocrinol Diabetes</i> 105, Suppl 3: 36-37 (1997)	
	41	Duggirala, et al., <i>Am J Hum Genet.</i> 68 : 1149-64 (2001)	
	42	Dunstan et al., <i>Diabetes Res. Clin. Pract.</i> 57:119-129 (2002)	
	43	Erickson et al., <i>Science</i> 249:527-533 (1990)	
	44	Feitosa, et al., <i>Am J Hum Genet.</i> 70: 72-82 (2002)	
	45	Fink et al., <i>Hum. Gene Ther.</i> 3:11-19 (1992)	
	46	Fink et al., <i>Ann. Rev. Neurosci.</i> 19:265-287 (1996)	
	47	Fox, et al., <i>J Neuroscience</i> 21(21): 8602-8615 (2001)	
	48	Freese et al., <i>Biochem Pharmacol.</i> 40(10):2189-2199 (1990)	
	49	Garcia-Anoveros J, et al., <i>Annu Rev Neurosci</i> 20(1): 567-594 (1997)	
	50	Garcia-Anoveros J, et al., <i>Proc Natl Acad Sci USA</i> 94:1459-1464 (1997)	
	51	Gillespie et al., <i>Nature</i> 413(6852):194-202 (2001)	
	52	Gomez et al., <i>J Neuro</i> 22(21):9612-9617 (2002)	
	53	Gonzalez et al., <i>DDT</i> 4(9):431-439 (1999)	
	54	Gorziglia et al., <i>J. Virol.</i> 66(7):4407-4412 (1992)	
	55	Hamill et al., <i>Physiol Rev</i> 81(27): 685-740 (2001)	
	56	Hani, et al., <i>Diabetes</i> 46(4): 688-94 (1997)	
	57	Helseth et al., <i>J. Virol.</i> 64(5):2416-2420 (1990)	

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	58	Hodgson, <i>Bio/Technology</i> 9:19-21 (1991)	
	59	Johnson et al., <i>J. Virol.</i> 66(5):2952-2965 (1992)	
	60	Kellenberger et al., <i>Physiol Rev</i> 82 : 735-767 (2002)	
	61	Kissebah, et al., <i>Proc Natl Acad Sci USA.</i> 97(26): 14478-83 (2000)	
	62	Kopelman, <i>Nature</i> 404:635-643 (2000)	
	63	Madzak et al, <i>J. Gen. Virol.</i> 73:1533-1536 (1992)	
	64	Mann et al., <i>J. Virol.</i> 54(2):401-407 (1985)	
	65	Margolskee, <i>Curr. Top. Microbiol. Immunol.</i> 158:67-95 (1992)	
	66	Marmur et al., <i>J. Mol. Biol.</i> 5:109 (1962)	
	67	Marx, <i>Science</i> 296(5568):686-689 (2002)	
	68	Miller et al., <i>Curr. Top. Microbiol. Immunol.</i> 158:1-24 (1992)	
	69	Miller et al., <i>J. Virol.</i> 62(11):4337-4345 (1988)	
	70	Miller et al., <i>Mol. Cell. Biol.</i> 5(3):431-437 (1985)	
	71	Mokdad et al., <i>JAMA</i> 282(16):1519-1522 (1999)	
	72	Montell et al., <i>Cell</i> 108(5):595-598 (2002)	
	73	Moss, <i>Curr. Top. Microbiol. Immunol.</i> 158:25-38 (1992)	
	74	Moss, <i>Proc. Natl. Acad. Sci. USA</i> 93:11341-11348 (1996)	
	75	Must et al., <i>JAMA</i> 282(16):1523-1529 (1999)	
	76	Muzyczka, <i>Curr. Top. Microbiol. Immunol.</i> 158:97-129 (1992)	
	77	Naldini et al., <i>Science</i> 272(5259):263-267 (1996)	
	78	National Health and Medical Research Council, Acting on Australia's weight : A strategy for the prevention of overweight and obesity. Canberra: National Health and Medical Research Council, 1996	
	79	Ohi, et al., <i>Gene</i> 89:279-282 (1990)	
	80	Ozaki, et al., <i>J Neurophysiol</i> 82 : 2210-2220 (1999)	
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	81	Ozaki, et al. <i>Am J Physiol Gastrointest Liver Physiol</i> 281:G1449-G1459 (2001)	
	82	Page et al., <i>J. Virol.</i> 64(11):5270-5276 (1990)	
	83	Parker, et al., <i>Diabetes</i> 50 : 675-80 (2001)	
	84	Patel, et al. <i>Curr Opin Cell Biol</i> 13(4):422-427 (2001)	
	85	Permutt, et al., <i>Diabetes</i> 50:681-5 (2001)	
	86	Perusse, et al., <i>Diabetes</i> 50:614-21 (2001)	
	87	Petropoulos et al., <i>J. Virol.</i> 66:3391-3397 (1992)	
	88	Phillips et al., <i>Am J Physiol</i> 274:R1626-R1638 (1998)	
	89	Price, et al., <i>Nature</i> 407(6807):1007-1011 (2000)	
	90	Quantin et al., <i>Proc. Natl. Acad. Sci USA</i> 89:2581-2584 (1992)	
	91	Rosenfeld et al., <i>Cell</i> 68:143-155 (1992)	
	92	Russell et al., <i>Nature Genetics</i> 18:325-330 (1998)	
	93	Scheidner et al., <i>Nature Genetics</i> 18:180-183 (1998)	
	94	Shimada et al., <i>J. Clin. Invest.</i> 88:1043-1047 (1991)	
	95	Shin, et al., <i>Nature Neuroscience</i> 6(7):724-730 (2003)	
	96	Sidi, et al., <i>Science</i> 301(5629):96-99 (2003)	
	97	Sorge et al., <i>Mol. Cell. Biol.</i> 4(9):1730-1737 (1984)	
	98	Stratford Perricaudet et al., <i>Hum. Gene Ther.</i> 1:241-256 (1990)	
	99	Summerton et al., <i>Antisense and Nucleic Acid Drug Development</i> 7(3):187-195 (1997)	
	100	Vionnet, et al., <i>Am J Hum Genet.</i> 67:1470-80 (2000)	
	101	Walder et al., <i>Obesity Res</i> 5(3):193-200 (1997)	
	102	Walker, et al., <i>Science</i> 287(5461):2229-2234 (2000)	
	103	Wilkinson et al., <i>Nucleic Acids Res.</i> 20(9):2233-2239 (1992)	

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	104	Wu, et al., <i>Am J Hum Genet.</i> 70:1247-56 (2002)	
	105	Zagorodnyuk, et al., <i>J Physiol</i> 534(1):255-268 (2001)	
	106	Zhou, et al., <i>Proc Natl Acad Sci USA</i> 100(12):7105-7110 (2003)	
	107	Zimmet, <i>Diabetes Care</i> 15(2):232-252 (1992)	

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